

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY USSR (Moscow Oblast)

REPORT

SUBJECT Description and Sketch of a Cement
Plant at Podolsk

DATE DISTR. 28 March 1958

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REFERENCES

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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report on a cement plant at Podolsk and a rough sketch of the layout
of this installation

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27 MAY 1958

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1. The cement plant in Podol'sk, ^{was} (has always been called *Podolskiy* and ~~had~~ had no numerical designations. The entire plant consists of two complete, independent, adjoining plants, One ~~is~~ known as the old plant; the other as the new. The plant was under the jurisdiction of the Ministry of Construction (СТРОИ МАТЕРИАЛЫ).

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~~It was in~~ Podol'sk Rayon, Moscow Oblast, and was approximately 40 kilometers south of Moscow and 3 kilometers from the main railroad station in Podol'sk. (See sketch of plant on page 6.)

3. The plant manufactured first grade cement which was destined for all parts of Russia. Trucks came to load from Moscow, Tula, ^{5454N-3199E} Serpukhov and Kharkov. Loaded freight cars were destined for further distances.

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The machinery consisting of two ~~rock crushers~~ large rock crushers, two stoves of German make in the new plant, were in good condition, and were approximately five years old which was considered new. The complete new plant had been transported from Germany in 1951. The two stoves and Rock crushers in the old plant were old and in poor condition, and were of

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Russian make. The two cranes and two excavators utilized were in good condition and were from Chzeckoslovakia.

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4. The rock used for making cement was abundant in the area of the plant. There were three quarries near which contained the following type rock:

- a. *Isvecnyak* used for making cement.
- b. *Kremen* a very hard rock used for roads.
- c. *Dolomit* (dolomite) which was mixed with the cement and sand and also used for roads.
- d. *Shchibenka* some of which was used to make cement, but was considered more as a molesting factor because it clogged the drills.

Some better grade of rock was shipped by truck from Tula only during the warmer months as the cold weather hampered shipments. Coal, oil and gasoline was shipped in by rail from the Ukraine.

5. The source of electricity emanated at the electric power station in Podol'sk. However, according to hearsay, much of the source of electrical power for all Podol'sk came from Kashira which is 75 kilometers south of Moscow. The cement plant had no generators or turbines, but was equipped with transformers. 25X1

There were no dams or reservoirs for generating electricity in the Podol'sk area.

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SECRET

- 3 -

SECRET

25X1

6. One railroad line entered the old plant and two lines [redacted] the new. These lines were all connected to the main railroad lines to Moscow. Approximately 50% of the cement was hauled out by train and the other 50% was hauled out by trucks. The highway travelled by these trucks were of asphalt and in excellent condition. The main highway from Moscow, and past Podol'sk was approximately 12 meters wide and afforded good drainage, [redacted] many of the other highways were in poor condition. 25X1

During the cold months most of the transporting was done by rail as the highways became dangerous and were closed by heavy snows and ice. Although Podol'sk has a river flowing through the northern part of the city, the plant preferred to use well water and had three wells. with sufficient 25X1 water. [redacted]

[redacted] it was more difficult to obtain water from the river.

7. The chain of production in the plant was very simple. Rock from the quarries nearby was first dumped into the mill which crushed the rock to the size of pebbles. It was mixed with a black clay substance, then brought by belt to the heating stoves, thence on steel belts to the cooling section. The crushed rock was then loaded by excavators on cars which brought the rock mixture to the mill for the final process of pulverization and cement making. From here it was loaded on cars or trucks for delivery. The plant had a capacity of approximately five thousand cubic meters of cement per month, which it generally produced. 25X1

8. Working conditions were good. They worked six days weekly for eight

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SECRET

-4-

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hours daily except Saturday when they were off at 3'o clock. The plant operated on a 24 hour basis with three shifts. The entire plant employed approximately 1000 persons of which 40% were women. There was a cement cinder block wall 3 meters high around the entire plant, and guards were stationed at each entrance to check on loads and to make certain that ~~they~~ only employees entered. All employees were an identification on the lapel or coat pocket. There was no security against air attack.

LEGEND FOR CEMENT PLANT OF PODOL'SK

1. Carpenter shop
2. Guard stations
3. ENTRANCE to Plant for trucks
4. Wall (3 meters high)
5. Railroad
6. Weighing scales
7. Lumber pile
8. Carpenter shop (not in operation)
9. Electric shop and transformers
10. Mill
11. Large shutes
12. Cement deposits
13. Carrier belt (load cement)
14. Black clay

25X1

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SECRET

-5-

25X1

15. Rock crusher

16. Mill

17. Stoves

18. Cooling units

19. Coal deposit (supply)

20. Guard station

21. Workers entrance and exit

22. Driveway leading to new plant

23. Coal chute from new plant

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CEMENT PLANT OF PODOLSK (old PLANT)

legend
attached

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